

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	525	silica and (\$9porous insulating dielectric) adj5 (film layer) and (surface adj2 agent surfactant CTAB) and (alkoxysilane tetra\$15oxysilane TEOS TMOS PTES \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane siloxane) and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane organosiloxane polyorganosiloxane)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:51
S2	149	S1 and semiconductor adj device and (interlayer (insulating dielectric) adj2 (film layer))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:54
S3	165	S1 and (imine adj sulfonate onium adj salt diazomethane sulfonate triazine oxycarbonyl)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:55
S4	29	S1 and surfactant near5 templat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:55
S5	108	S1 and (428/312.6,304.4,312.2,312.6,391,312.6,447.ccls. 438/447,780,781,790.ccls. 516/100,111.ccls. 502/407,104, 107.ccls. 501/12.ccls. 423/335,338.ccls. 257/E21.27.ccls. 427/397.7.ccls. 106/287.1-287.16.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/05 15:59
S6	35	(surface adj2 (agent active) surfactant) and (tetra\$3alkoxysilane \$15tetra\$10oxysilane tetra\$2alkoxysilane siloxane) and (trialkoxysilane \$15tri\$9oxysilane) and (solution dispersion coating film layer silane)	EPO; JPO; DERWENT	OR	ON	2006/04/05 15:59
S7	13	silica and (\$9porous insulating dielectric) adj5 (film layer).clm. and surfactant.clm. and (alkoxysilane tetra\$15oxysilane TEOS TMOS \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane). clm. and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane alkoxysilane).clm.	US-PGPUB; USPAT	OR	ON	2006/04/05 15:59
S8	4	(\$9porous insulating dielectric) adj5 (film layer).clm. and surfactant.clm. and (alkoxysilane tetra\$15oxysilane TEOS TMOS \$5propyl\$15oxysilane \$5butyl\$15oxysilane \$15trimethoxysilane \$15triethoxysilane \$15tripropoxysilane). clm. and (\$5octyl\$15oxysilane \$5cetyl\$15oxysilane \$5lauryl\$15oxysilane \$5stearyl\$15oxysilane \$7decyl\$15oxysilane \$5hexyl\$15oxysilane \$5heptyl\$16oxysilane alkyltrimethoxysilane OTES TFTS organoalkoxysilane alkoxysilane).clm. and device.clm.	US-PGPUB; USPAT	OR	ON	2006/04/05 16:00
S9	28	("20020160207" "20030157311" "20020020327" "20020098279" "20020155053" "20030091838" "20030104225" "20030064321" "4634509" "5707783" "5494859" "6037275" "6197913" "6313045" "6359096" "6376634" "6391999" "6413647" "6512071" "6533855" "6534025" "6596404" "6632489" "6639015" "6696538" "20050106376" "5849369" "5385955").did.	US-PGPUB; USPAT	OR	ON	2006/04/05 16:00
S10	104	("1205438" "1123753" "11246665" "1223192" "1245642" "06145599" "63015355" "09194298" "2000309751" "2000345041" "2000044875" "2001002993" "2001080915" "2001098218" "2001115201" "2001115028" "2001115029" "2001130911" "2001131479" "2001164186" "20012031970" "2001240798" "2001354904" "2001055554" "2002020688" "2002020689" "2002023354" "2002030249" "2002038090" "2000012640" "2003088344" "05125191" "2001049178" "2001049179").did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/05 16:00

ChemFinder.Com

Database & Internet Searching

SciStore.Com ChemFinder.Com
 ChemBioNews.Com ChemClab.Com
 CambridgeSoft.Com



Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

Use * for partial names (e.g. ben*).

Search here for free. For professional searching, use [ChemINDEX](#).

tetraethyl orthosilicate [78-10-4]

Synonyms: Ethyl orthosilicate; Ethyl silicate; Silicic acid (H₄SiO₄), tetraethyl ester; TEOS; Tetraethoxysilane; tetraethyl orthosilicate; Tetraethyl ester silicic acid; Tetraethyl Silicate;

	<p>Tools</p> <p>BUY AT CHEMACK.COM</p> <p>VIEW CHEMDRAW STRUCT</p> <p>VIEW CHEM3D MODEL</p> <p>CAS RN Lookup</p> <p>THE MERCK INDEX</p> <p>NCI DATABASE</p>	<p>OpenChem</p> <p>VIEW LINKS</p> <p>ADD COMPOUND</p> <p>ADD/CHANGE PROPERTY</p> <p>ADD LINK</p>
--	---	---

Formula	C ₈ H ₂₀ O ₄ Si	Molecular Weight	208.3296
CAS RN	78-10-4	Melting Point (°C)	-77
ACX Number	X1000911-9	Boiling Point (°C)	168
Density	0.94	Vapor Density	7.2
Refractive Index		Vapor Pressure	2
Evaporation Rate		Water Solubility	Decomposes
Flash Point (°C)	37	EPA Code	
DOT Number	UN 1292 Flammable Liquid	RTECS	VV9450000
Comments	Colorless liquid with a mild, sweet, alcohol-like odor. MOISTURE SENSITIVE.		

More information about the chemical is available in these categories:

[Health](#)

[Misc](#)

[MSDS](#)

[Physical Properties](#)

[Regulations](#)

[Trading](#)

Health (6)

8(e) TRIAGE Chemical Studies DatabaseATSDR Internet HazDat Site Contaminant QueryInformation about this particular compoundAustralian Atmospheric Exposure StandardsInformation about this particular compoundIdaho Toxic and Hazardous SubstancesInternational Chemical Safety CardsInformation about this particular compoundNorth American Emergency Response Guidebook 2000 (ERG 2000)Information about this particular compound

Misc (3)

PetrarchInformation about this particular compoundInformation about this particular compoundProtocol Analytical Supplies, Inc. Single-component standards

MSDS (1)

BOC Gases

Physical Properties (10)

ABCR GmbH&Co KGTetraethoxysilane, 98+%Tetraethyl orthosilicateTetraethoxysilane, 99.9999% PURATREM, colorless liq.Tetraethoxysilane, min. 98%, colorless liq.TetraethoxysilaneTetraethoxysilane, 99+% redistilled in quartz for low metal impuritiesDielectric Constant Reference GuideNFPA Chemical Hazard LabelsInformation about this particular compoundNIST Chemistry WebBookInformation about this particular compoundSPEKTR T.T.&T.

Regulations (5)**California EPA List of Lists****Guide to NIOSH/OSHA Air Sampling Methods**[Information about this particular compound](#)[Information about this particular compound](#)**OSHA Chemical Sampling and Methods**[Information about this particular compound](#)**OSHA Limits for Air Contaminants****Trading (1)****Available Chemicals Exchange**[Information about this particular compound](#)

Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

Use * for partial names (e.g. ben*).

Search here for free. For professional searching, use [ChemINDEX](#).**Search**[CambridgeSoft.Com](#) | [SciStore.Com](#) | [ChemFinder.Com](#) | [ChemBioNews.Com](#) | [ChemClub.Com](#)©2004 CambridgeSoft Corporation. All Rights Reserved. [Privacy Statement](#)Email info@chemfinder.com / support@chemfinder.com

Tel 1 800 315-7300 / 1 617 588-9300 Fax 1 617 588-9390

EU Tel 00 800 875 20000 / +44 1223 464900 EU Fax +44 1223 464990

Germany Tel +49 69 2222 2280 France Tel +33 1 70 71 98 80

CambridgeSoft Corporation, 100 CambridgePark Drive, Cambridge, MA 02140 USA

CambridgeSoft Corporation, 1 Signet Court, Swann's Road, Cambridge CB5 8LA UK

All trademarks are the property of their respective holders.